Ultra-portable, ultra-sleek, ultra-powerful

ULTRA-PORTABLE AND DURABLE

The luxuriously sleek and ultra-portable VAIO® TZ notebook boasts an incredibly small and lightweight form-factor that features an especially robust carbon-fiber casing for enhanced durability. This best-in-class PC weighs only 2.7 lbs[15], is less than 1" thin[3] and features an incredible 4 to 7.5 hours of standard battery life[8].

SOLID STATE DRIVE

The VAIO® TZ notebook takes performance to a new level by utilizing a solid state drive in place of the typical spinning hard-disk drive memory found in most PCs. Faster and more reliable, flash memory provides a rapid boot-up and quicker access to applications while significantly reducing the risk of hard drive problems that result from its moving parts, an ideal feature for a travel notebook where knocks and sudden movements arepar for the course.

EXCEPTIONAL LCD

The VAIO® TZ notebook features an 11.1"[12] WXGA widescreen display with Sony's original XBRITE-HiColor™ LCD technology with white LED backlight. Sony's innovative backlight technology offers lower power consumption for improved battery life and provides incredibly high brightness levels, amplifying colors and creating clear, crisp pictures that truly "pop" off the LCD. The result: an amazing 72% color saturation for deeper blacks, brighter whites, true-to-life color and razor-sharp detail. And, with the anti-reflective coating to minimize reflection while providing a wide viewing angle, you'll enjoy a beautifully clear image from almost any angle. It's the ideal way to present your work or watch a DVD when you're on the go.

INNOVATIVE KEYBOARD DESIGN

The VAIO® TZ notebook features a thoughtfully redesigned keyboard that showcases an extreme attention to detail. Designed for ease of use and a smart, sophisticated look, the individual keys are slightly raised above an attractive piano-black bezel layer producing a user-friendly touch and feel to the keyboard that creates an improved typing experience. In addition, an extra support layer has been added below the bezel to increase the structural integrity of the keyboard and add stability to the keys, giving them an unwavering up-down motion and making for quieter typing. Details like these not only enhance the look and feel of the TZ notebook, but also reveal the design intelligence and innovation that only Sony can offer.

WIRELESS WIDE AREA NETWORK

The VAIO® TZ notebook is more than just portable, it's a truly mobile wireless companion. True mobility is about broad access just as much as it is about slim, lightweight design. And the VAIO TZ notebook takes that access farther than ever before with optional integrated wireless Wide Area Network (WAN)[17] technology through Sprint® Mobile Broadband, the nation's largest wireless broadband network. Take advantage of Sprint's latest mobile network technology, EV-DO Revision A. With faster average download speeds and broadband upload speeds, Sprint's EV-DO Revision A technology lets you utilize richer applications and services on the go, such as high-speed video telephony, video messaging and large file uploads. With Sprint, the VAIO TZ notebook gives you the freedom to go farther, do more and stay connected.

At 2.6 lbs[15] (with standard battery) with 4 to 7.5 hours of standard battery life[8] and durable carbon-fiber casing, the VAIO® TZ notebook is built for ultra-portable performance. And with an 11.1"[12] display with XBRITE-HiColor™ LCD technology, an Intel® Core™ 2 Duo processor and 802.11 a/b/g/n[4] wireless LAN technology you'll be able to stay connected and productive wherever you find yourself.

VGN-TZ190N/BC

VAIO® TZ Series Notebook PC

Specifications

General

Computer Type: Notebook
Type of Use: Ultra Portable
Action Buttons: AV Mode (DVD/CD Instant On)
Play/Pause, Stop, Rewind, Fast Forword, Eject,
Wireless On/Off
Pointing Device: Electro-Static touch pad
Security: Biometric Fingerprint Sensor
Trusted Platform Module (TPM) TCG Ver.1.2 compliant

Hardware

Keyboard: QWERTY (82 keys with 1.7mm stroke and 17mm pitch)
Camera: Built-in MOTION EYE® camera and microphone

Processor

Type: Intel® Core™ 2 Duo Processor U7600
Speed: 1.2GHz[1]
Front Side Bus Speed: 533MHz
L2 Cache: 2MB
Technology: Intel® Centrino® Processor Technology[14]

Memory

Type: DDR2
Installed: 2GB (1x2GB)
Maximum: 2GB
Speed: 533MHz

Optical Drive

CD Read: 24x max.
CD-R Write: 24x max.
CD-RW Write: 16x max.
DVD+R DL Write: 4x max.
DVD+R Write: 8x max.
DVD+RW Write: 8x max.
DVD-R DL Write: 4x max.
DVD-R Write: 8x max.
DVD-RAM Read: 5x max.
DVD-RAM Write: 5x max.
DVD-RW Write: 6x max.
DVD±RW: Yes(DVD±R DL/DVD±RW/DVD-RAM Drive)

Expansion Slots

Multimedia Card Reader: Memory Stick PRO™ (with MagicGate® functionality)
Secure Digital Media
One ExpressCard™ /34 Slot

Solid State Drive

Capacity: 32GB[2]
Interface: Ultra ATA

Audio

Sound System: Windows® sound system compatible
Dolby® Headphone
Dolby® Virtual Speaker
Built-in stereo speakers

Display

Screen or Display Technology: WXGA LCD
Screen Size: 11.1" Razor-Thin Panel[12]
LED backlight for brilliant colors and clarity
Resolution: 1366x768
XBRITE-HiColor™ Technology: Yes

Graphics

Processor: Intel® Graphics Media Accelerator 950
Video RAM: 224MB Total Available Graphics Memory[13]
Chipset: Intel® 945GMS
Interface: VGA out w/ Smart Display Sensor

Inputs and Outputs

Headphone Jack: 1
i.LINK® Interface: 1 (4-pin) interface[7] (IEEE 1394)
Memory Stick® Media Slot: 1
Modem Jack: 1
Secure Digital Slot: 1
Microphone Input: 1
Port Replicator Connector(s): 1 (Bottom)
USB Port(s): 2 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
Ethernet Connection (s): 1

Networking/Modem

Ethernet Protocol: Fast Ethernet (RJ-45)
Ethernet Speed: 10Base-T/100Base-TX/1000Base-T
Modem Type: Integrated V.92/V.90 modem (RJ-11)
Wireless LAN: Intel® PRO/Wireless 4965AGN Network Connection (802.11a/b/g/n)[4]
Bluetooth® Technology: Integrated Bluetooth® Technology[5]
Mobile Broadband: Sprint® Mobile Broadband service[17]

Power

Battery Type: Standard Capacity Lithium-ion Battery (VGP-BPL11)
Estimated Battery Life: 4.0-7.5 hours[8]
Power Requirements: 68W+10%

Software

Operating System: Windows Vista® Business
Internet Services: AOL® 90-Day Risk Free Trial - New Users Only
Supplied Software: Microsoft® Works 8.5, 60-Day Trial Version of Microsoft® Office 2007[11]
Anti-Virus & Recovery Software: Norton® Internet Security™ 2007 60-Day Trial with sypware protection
Sony® Software: Click to DVD® - DVD Creation, SmartWi™ Technology, LocationFree® Player. *Please access VAIO® Help and Support from your PC for a complete list of software and trial applications.

Service and Warranty Information

Telephone Support: 1 year (toll-free assistance, available 24-hours, 7-days-a-week)[10]
Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO
Limited Warranty Term: 1 Year[9]

Dimensions

Weight: 2.6 lbs[15] with standard battery
Measurements: 10.9"(W) 0.8" - 1.17"(H) 7.8"(D)[15]

Supplied Accessories

Standard Capacity Lithium-ion Battery (VGP-BPL11)
AC Adapter (VGP-AC16V13)
Power Cord
Cleaning cloth
Leather Protection Case (VGP-CKTZ2)

Optional Accessories

Large Capacity Battery (VGP-BPXL11)
Stick AC Adapter (VGP-AC16V10)
Additional standard battery (VGP-BPL11)
Additional AC adapter(VGP-AC16V13)
Port Replicator (VGP-PRTZ1)
Bluetooth® Presentation Controller (VGP-BRMP10)
Privacy Filter (VGP-FL13)
Bluetooth® GPS Receiver (VGP-BGU1)
Bluetooth® Laser Mouse in Gold or Black (VGP-BMS33/N, VGP-BMS33/B)
USB Portable Speaker (VGP-USP1)
100GB Portable Hard Drive with Wireless Security (VGP-UHDM10/B)

Color: Black
UPC Code: 27242242067

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Measured at its narrowest point.
4. Requires a compatible 802.11a or 802.11b or 802.11g or 802.11n access point. Some functionality may require Internet services, which may require a fee.
5. Interoperability among Bluetooth devices varies.
6. DVD Media/Formats are not universally compatible.
7. i.LINK is a trademark of Sony used only to designate products containing an IEEE 1394 connector. All products with i.LINK connector may not communicate with each other.
8. Actual battery life may vary upon usage patterns, product settings, battery and environmental conditions. Upper battery range tested using device for music play-back. Battery life will be shorter when using the Instant Mode features.
9. See actual Limited Warranty for details. For a copy of Sony's warranty, please visit www.esupport.sony.com, call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
10. For certain third party software applications, Sony provides first level Phone Support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
11. The Microsoft Office 2007 60-Day Trial software is intended for evaluation purposes only. This trial software is installed on your system and you must activate the software before you can use it. Product activation procedures will be detailed during initial launch of the software; activation requires Internet access. This software has an expiration date of 60 days from date of first use, at which time the software will operate under reduced-functionality mode, limiting end-use options and operations.
12. Viewable area measured diagonally.
13. Total Available Graphics Memory refers to the new Windows Vista classification of graphics memory, which is the Dedicated Video Memory, System Video Memory and Shared System Memory. Shared System Memory varies depending on the operating condition and system memory size.
14. VAIO TZ uses Mobile Intel® 945GMS Express Chipsets
15. Non-metric weights and measures are approximate and may vary.
16. Internet connection required. Some features may rely on internet service which may require a fee.
17. Subscription with Sprint® Mobile Broadband high-speed EV-DO service required. See www.sony.com/sprint for complete offer details, price plans, service terms and conditions, and coverage map. Click the Sprint icon on your BX Series desktop or call 1-877-275-VAIO (8246) for service activation

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Preinstalled software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice.

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Printed in U.S.A. 06/07.